

Supplementary Table 1. Gene Transcripts Analyzed by RT-PCR. List of the mRNAs examined and information on the Applied Biosystems primer/probe products utilized.

Gene	Abbr.	NCBI Reference Sequence Number	Assay Number	NCBI Location Chromosome	Amplicon Length (bp)	Assay Location	Exon Boundary
IL-1 Family							
Interleukin 1 β	IL-1B	NM_008361.3	Mm00434228_m1	Chr. 2 - 129190315 - 129196856	90	163	3,4
Interleukin 1 α	IL-1A	NM_010554.4	Mm00439620_m1	Chr. 2 - 129125346 - 129135708	68	559	5,6
Interleukin 1 Receptor Type 1	IL-1R1	NM_01123382.1, NM_008362.2	Mm00434237_m1	Chr. 1 - 40281925 - 40373022	63	1020, 951	6,7
Interleukin 1 Receptor Type 2	IL-1R2	NM_010555.4	Mm00439622_m1	Chr. 1 - 40141613 - 40182070	78	48	1,2
Caspase-1	Caspase-1	NM_009807.2	Mm00438023_m1	Chr. 9 - 5298517 - 5307281	99	533	3,4
Other Cytokines							
Interleukin 6	IL-6	NM_031168.1	Mm00446190_m1	Chr. 5 - 30339701 - 30346508	78	237	2,3
Tumor Necrosis Factor α	TNFA	NM_013693.2	Mm00443258_m1	Chr. 17 - 35336335 - 35338941	81	339	1,2
Transforming Growth Factor β 1	TGFB1	NM_011577.1	Mm00441724_m1	Chr. 7 - 26472021 - 26490015	99	1218	1,2
Chemokines							
CC Chemokine Ligand 2	CCL2	NM_011333.2	Mm00441242_m1	Chr. 11 - 81849079 - 81850954	74	163	1,2
CC Chemokine Receptor 2	CCR2	NM_009915.1	Mm99999051_gH	Chr. 9 - 124016922 - 124023289	60	443	3,3
Cell Activation Markers							
Intercellular Adhesion Molecule 1	ICAM-1	NM_010493.2	Mm00516023_m1	Chr. 9 - 20820404 - 20833241	58	402	2,3
Glial Fibrillary Acidic Protein	GFAP	NM_010277.2	Mm00546086_m1	Chr. 11 - 102749991 - 102758445	70	1244	7,8
Cluster of Differentiation 11b/ Integrin Alpha M	CD11b/ ITGAM	NM_001082960.1, NM_008401.2	Mm00434455_m1	Chr. 7 - 135206154 - 135262005	69	337	3,4
Major Histocompatibility Complex II AA	MHC II AA	NM_010378.2	Mm00439211_m1	Chr. 17 - 34419696 - 34424716	119	93	1,2
Prostaglandin Synthesis							
Cyclooxygenase 1	COX-1	NM_008969.2	Mm00477214_m1	Chr. 2 - 36085946 - 36107789	66	244	2,3
Cyclooxygenase 2	COX-2	NM_011198.3	Mm00478374_m1	Chr. 1 - 151947254 - 151955147	80	739	5,6
Prostaglandin E Synthase	Ptges	NM_022415.2	Mm00452105_m1	Chr. 2 - 30744991 - 30758817	87	290	2,3
Prostaglandin E Synthase 2	Ptges2	NM_133783.1	Mm00460181_m1	Chr. 2 - 32251778 - 32258259	73	486	2,3
Prostaglandin E Synthase 3	Ptges3	NM_019766.2	Mm00727367_s1	Chr. 10 - 127496038 - 127514310	70	1849	8,8
Oxidative Stress							
Heme Oxygenase 1	HO-1	NM_010442.1	Mm00516004_m1	Chr. 8 - 77617521 - 77624484	72	155	1,2
Glutathione S-Transferase Pi	GSTP	NM_013541.1	Mm00496606_m1	Chr. 19 - 4035411 - 4037912	68	48	1,2
Superoxide Dismutase 2	SOD2	NM_013671.3	Mm00449726_m1	Chr. 17 - 13200705 - 13210985	67	428	2,3
Housekeeping							
Ribosomal 18s	18S	X03205.1	Hs99999901_s1		187		

Supplementary Table 2. Statistical Results from the RT-PCR Analysis. Kruskal-Wallis tests (non-parametric one way ANOVAs) were run at each time point for each gene, followed by Dunn's multiple comparison tests comparing each dose to its respective control. For each gene and at all time points, the relative fold changes for dose compared to control animals are displayed. Changes deemed significant by post-test are indicated by shaded boxes. Within those boxes, italicized values represent a statistical significance of less than 0.05, emboldened values represent a statistical significance of less than 0.01, while emboldened and italicized values represent a statistical significance of less than 0.001.

Gene	4 Hours						1 Day					
	p-value	KW Stat	5 Gy	15 Gy	25 Gy	35 Gy	p-value	KW Stat	5 Gy	15 Gy	25 Gy	35 Gy
Caspase-1	0.0411	9.961	1.023 ± 0.105	<i>1.426 ± 0.119</i>	1.031 ± 0.094	1.214 ± 0.124	0.2362	5.54	1.633 ± 0.309	1.761 ± 0.239	1.929 ± 0.610	1.688 ± 0.373
CCL2	0.0005	19.84	1.878 ± 0.093	<i>5.152 ± 1.174</i>	8.060 ± 1.430	8.840 ± 1.670	0.057	9.169	1.383 ± 0.284	1.214 ± 0.209	1.612 ± 0.360	2.315 ± 0.361
CCR2	0.0714	8.617	0.898 ± 0.059	0.943 ± 0.081	0.647 ± 0.047	0.742 ± 0.068	0.7885	1.712	1.060 ± 0.430	1.111 ± 0.161	1.787 ± 0.830	0.888 ± 0.168
CD11b	0.4771	3.505	0.905 ± 0.055	0.976 ± 0.205	0.818 ± 0.085	0.813 ± 0.092	0.844	8.204	1.170 ± 0.063	0.872 ± 0.081	0.918 ± 0.146	0.789 ± 0.052
COX-1	0.3847	4.161	0.757 ± 0.053	0.878 ± 0.162	0.684 ± 0.072	0.738 ± 0.094	0.2139	5.809	1.144 ± 0.049	1.036 ± 0.072	0.938 ± 0.183	0.895 ± 0.067
COX-2	0.3909	4.113	0.755 ± 0.036	0.939 ± 0.127	0.798 ± 0.077	0.740 ± 0.106	0.7444	1.953	0.952 ± 0.115	0.873 ± 0.066	1.006 ± 0.174	1.037 ± 0.103
GFAP	0.9384	0.8	0.988 ± 0.031	1.160 ± 0.187	0.980 ± 0.122	1.054 ± 0.053	0.0088	13.57	1.670 ± 0.398	1.750 ± 0.135	<i>2.479 ± 0.400</i>	2.949 ± 0.474
GSTP-1	0.1741	6.356	0.827 ± 0.033	1.118 ± 0.077	0.906 ± 0.105	0.987 ± 0.090	0.5457	3.073	1.479 ± 0.346	1.335 ± 0.085	1.633 ± 0.482	1.624 ± 0.243
HO-1	0.1722	6.385	0.879 ± 0.021	1.074 ± 0.192	1.057 ± 0.156	1.087 ± 0.111	0.0054	14.7	1.454 ± 0.101	1.358 ± 0.051	1.451 ± 0.247	1.905 ± 0.132
ICAM-1	0.0009	18.59	2.381 ± 0.246	<i>5.155 ± 0.839</i>	6.666 ± 1.148	6.668 ± 0.734	0.0733	8.553	0.508 ± 0.071	0.590 ± 0.056	0.791 ± 0.133	1.291 ± 0.160
IL-1α	0.0326	10.51	2.458 ± 0.949	<i>2.892 ± 0.244</i>	<i>2.903 ± 0.575</i>	2.028 ± 0.518	0.0404	10	1.445 ± 0.261	1.643 ± 0.098	<i>2.104 ± 0.392</i>	1.807 ± 0.223
IL-1β	0.0655	8.829	1.414 ± 0.410	2.895 ± 0.967	0.782 ± 0.069	1.057 ± 0.213	0.7295	2.034	0.973 ± 0.421	0.782 ± 0.151	0.925 ± 0.303	1.124 ± 0.172
IL-1R1	0.482	3.473	0.825 ± 0.069	1.098 ± 0.126	1.158 ± 0.206	1.144 ± 0.127	0.844	1.401	1.102 ± 0.122	1.107 ± 0.079	1.055 ± 0.106	1.101 ± 0.024
IL-1R2	0.1423	6.881	1.127 ± 0.184	0.931 ± 0.100	0.626 ± 0.087	0.788 ± 0.062	0.3387	4.533	2.677 ± 1.060	1.530 ± 0.206	2.073 ± 0.631	1.379 ± 0.322
IL-6	0.1756	6.333	0.568 ± 0.109	0.660 ± 0.085	0.654 ± 0.0094	0.803 ± 0.069	0.3526	4.417	1.707 ± 0.131	1.502 ± 0.270	1.228 ± 0.317	1.320 ± 0.326
MHC II AA	0.6168	2.657	0.999 ± 0.053	1.018 ± 0.091	0.815 ± 0.118	0.931 ± 0.056	0.737	1.993	1.212 ± 0.331	0.754 ± 0.172	1.263 ± 0.483	0.779 ± 0.160
Ptges	0.3867	4.145	0.868 ± 0.067	1.301 ± 0.311	1.280 ± 0.173	1.300 ± 0.203	0.2216	5.713	1.261 ± 0.156	1.125 ± 0.088	1.396 ± 0.197	1.634 ± 0.179
Ptges2	0.6029	2.736	0.790 ± 0.038	1.137 ± 0.268	0.873 ± 0.145	0.860 ± 0.089	0.4302	3.825	1.399 ± 0.311	1.175 ± 0.066	1.662 ± 0.486	1.606 ± 0.282
Ptges3	0.3669	4.3	1.181 ± 0.069	1.544 ± 0.213	1.462 ± 0.251	1.547 ± 0.320	0.2597	5.281	1.443 ± 0.070	1.255 ± 0.056	1.176 ± 0.356	1.173 ± 0.115
SOD2	0.1173	7.376	0.912 ± 0.014	1.167 ± 0.104	0.927 ± 0.081	1.021 ± 0.072	0.4639	3.593	1.354 ± 0.195	1.358 ± 0.038	1.523 ± 0.326	1.518 ± 0.189
TGF-β1	0.0213	11.52	1.176 ± 0.036	<i>1.565 ± 0.123</i>	1.424 ± 0.106	<i>1.544 ± 0.166</i>	0.837	1.441	1.273 ± 0.222	1.117 ± 0.079	1.587 ± 0.561	1.331 ± 0.231
TNF-α	0.0063	14.34	5.522 ± 2.169	<i>13.647 ± 3.878</i>	<i>12.433 ± 3.537</i>	12.388 ± 2.363	0.0088	13.57	1.942 ± 0.181	2.263 ± 0.371	2.154 ± 0.314	3.106 ± 0.399
3 Days												
Gene	3 Days						7 Days					
	p-value	KW Stat	5 Gy	15 Gy	25 Gy	35 Gy	p-value	KW Stat	5 Gy	15 Gy	25 Gy	35 Gy
Caspase-1	0.1328	7.06	0.687 ± 0.091	0.971 ± 0.181	0.909 ± 0.032	0.964 ± 0.043	0.6467	2.489	0.831 ± 0.182	0.974 ± 0.542	0.519 ± 0.048	0.720 ± 0.243
CCL2	0.6126	2.681	0.804 ± 0.104	1.304 ± 0.193	1.129 ± 0.244	0.845 ± 0.089	0.6074	2.71	0.540 ± 0.136	1.260 ± 0.757	0.674 ± 0.095	1.209 ± 0.580
CCR2	0.1691	6.432	0.559 ± 0.131	0.799 ± 0.166	0.509 ± 0.127	0.626 ± 0.071	0.4801	3.486	0.741 ± 0.209	0.943 ± 0.567	0.346 ± 0.056	0.834 ± 0.507
CD11b	0.1203	7.311	0.727 ± 0.032	0.856 ± 0.084	0.673 ± 0.027	0.770 ± 0.104	0.0346	10.38	0.936 ± 0.151	0.784 ± 0.196	0.579 ± 0.038	<i>0.625 ± 0.115</i>
COX-1	0.425	3.862	0.743 ± 0.040	0.975 ± 0.118	0.767 ± 0.024	0.880 ± 0.150	0.2	5.989	0.853 ± 0.137	0.746 ± 0.210	0.608 ± 0.033	0.650 ± 0.143
COX-2	0.1312	7.089	0.757 ± 0.049	1.143 ± 0.154	0.827 ± 0.066	0.916 ± 0.098	0.1046	7.665	1.050 ± 0.179	0.852 ± 0.256	0.590 ± 0.024	0.684 ± 0.149
GFAP	0.0758	8.47	0.801 ± 0.051	1.201 ± 0.233	1.041 ± 0.042	1.280 ± 0.129	0.7897	1.706	0.813 ± 0.223	1.105 ± 0.625	0.595 ± 0.055	0.835 ± 0.311
GSTP-1	0.2022	5.959	0.685 ± 0.048	0.940 ± 0.145	0.837 ± 0.033	0.816 ± 0.064	0.3544	4.401	0.811 ± 0.251	0.891 ± 0.557	0.420 ± 0.045	0.778 ± 0.393
HO-1	0.0401	10.02	0.717 ± 0.033	1.028 ± 0.120	0.856 ± 0.038	1.056 ± 0.199	0.6989	2.201	0.809 ± 0.173	0.993 ± 0.461	0.591 ± 0.047	0.932 ± 0.358
ICAM-1	0.1084	7.577	1.320 ± 0.218	1.379 ± 0.171	1.491 ± 0.069	1.792 ± 0.296	0.2769	5.103	0.590 ± 0.072	0.799 ± 0.299	0.631 ± 0.022	0.863 ± 0.200
IL-1α	0.1382	6.956	0.714 ± 0.057	0.983 ± 0.149	0.673 ± 0.041	0.718 ± 0.071	0.2814	5.058	0.975 ± 0.208	1.133 ± 0.615	0.575 ± 0.028	0.677 ± 0.284
IL-1β	0.5249	3.2	0.552 ± 0.057	1.232 ± 0.446	0.693 ± 0.119	1.048 ± 0.295	0.9641	0.5908	0.837 ± 0.222	0.944 ± 0.412	0.704 ± 0.115	0.871 ± 0.366
IL-1R1	0.1294	7.126	0.873 ± 0.064	1.163 ± 0.111	0.783 ± 0.049	0.921 ± 0.078	0.0674	8.758	0.655 ± 0.102	0.776 ± 0.241	0.477 ± 0.025	0.671 ± 0.181
IL-1R2	0.3411	45.12	0.593 ± 0.047	1.189 ± 0.442	0.855 ± 0.095	0.905 ± 0.145	0.2522	5.361	0.847 ± 0.207	1.326 ± 0.924	0.504 ± 0.054	0.738 ± 0.186
IL-6	0.2815	5.057	0.526 ± 0.115	0.793 ± 0.087	0.670 ± 0.054	1.102 ± 0.347	0.6348	2.555	0.896 ± 0.189	1.111 ± 0.648	0.583 ± 0.043	0.567 ± 0.077
MHC II AA	0.0026	16.31	0.389 ± 0.035	0.411 ± 0.104	<i>0.302 ± 0.031</i>	0.215 ± 0.023	0.0961	7.879	0.468 ± 0.153	0.585 ± 0.378	0.253 ± 0.047	0.298 ± 0.121
Ptges	0.6139	2.673	0.731 ± 0.044	0.983 ± 0.112	0.784 ± 0.011	0.962 ± 0.166	0.4846	3.456	0.828 ± 0.185	0.985 ± 0.501	0.559 ± 0.035	0.866 ± 0.324
Ptges2	0.4117	3.958	0.675 ± 0.039	1.020 ± 0.164	0.769 ± 0.026	0.846 ± 0.112	0.2515	5.369	0.817 ± 0.202	0.864 ± 0.461	0.464 ± 0.038	0.690 ± 0.274
Ptges3	0.13703	6.978	0.609 ± 0.051	1.121 ± 0.206	0.735 ± 0.025	0.969 ± 0.206	0.2079	5.886	0.786 ± 0.300	0.954 ± 0.628	0.361 ± 0.052	0.783 ± 0.484
SOD2	0.2383	5.516	0.778 ± 0.049	1.053 ± 0.114	0.845 ± 0.026	0.917 ± 0.076	0.4801	3.486	0.856 ± 0.237	0.885 ± 0.481	0.457 ± 0.038	0.757 ± 0.328
TGF-β1	0.7545	1.898	0.676 ± 0.051	0.848 ± 0.133	0.776 ± 0.036	0.850 ± 0.110	0.324	4.66	0.832 ± 0.273	0.942 ± 0.609	0.389 ± 0.043	0.753 ± 0.399
TNF-α	0.61	2.695	0.784 ± 0.671	1.595 ± 0.483	0.957 ± 0.086	1.235 ± 0.304	0.7396	1.979	0.671 ± 0.212	0.754 ± 0.348	0.617 ± 0.027	0.720 ± 0.278

Gene	1 Month						3 Months					
	p-value	KW Stat	5 Gy	15 Gy	25 Gy	35 Gy	p-value	KW Stat	5 Gy	15 Gy	25 Gy	35 Gy
Caspase-1	0.2208	5.723	1.199 ± 0.204	1.394 ± 0.160	1.298 ± 0.178	1.585 ± 0.148	0.7708	1.809	1.398 ± 0.536	1.289 ± 0.347	1.595 ± 0.396	1.786 ± 0.460
CCL2	0.0544	9.284	0.995 ± 0.060	0.791 ± 0.153	1.781 ± 0.360	1.568 ± 0.125	0.5959	2.777	1.187 ± 0.610	1.187 ± 0.449	1.941 ± 0.599	1.824 ± 0.763
CCR2	0.6626	2.4	1.004 ± 0.045	0.976 ± 0.068	1.116 ± 0.067	1.033 ± 0.062	0.8189	1.543	1.012 ± 0.312	0.755 ± 0.190	0.953 ± 0.354	1.263 ± 0.411
CD11b	0.0221	11.44	1.019 ± 0.052	0.833 ± 0.045	0.817 ± 0.047	0.804 ± 0.045	0.9155	0.9619	0.971 ± 0.143	0.872 ± 0.119	0.955 ± 0.169	0.933 ± 0.153
COX-1	0.3794	4.202	1.063 ± 0.059	0.958 ± 0.026	1.056 ± 0.053	0.975 ± 0.067	0.7882	1.714	0.953 ± 0.200	1.012 ± 0.171	1.076 ± 0.189	1.080 ± 0.170
COX-2	0.0012	18.03	0.894 ± 0.057	0.634 ± 0.031	0.587 ± 0.046	0.504 ± 0.069	0.904	1.038	0.856 ± 0.164	0.942 ± 0.126	1.011 ± 0.173	0.916 ± 0.158
GFAP	0.0023	16.63	0.957 ± 0.021	1.106 ± 0.054	1.405 ± 0.072	1.421 ± 0.110	0.4291	3.833	1.389 ± 0.566	1.244 ± 0.306	1.830 ± 0.469	1.948 ± 0.474
GSTP-1	0.0013	17.87	0.946 ± 0.012	0.793 ± 0.020	0.822 ± 0.016	0.780 ± 0.032	0.986	0.3545	1.143 ± 0.551	0.858 ± 0.229	1.322 ± 0.414	1.181 ± 0.392
HO-1	0.1286	7.141	0.890 ± 0.030	0.819 ± 0.039	1.028 ± 0.071	0.951 ± 0.077	0.7775	1.772	0.992 ± 0.376	0.827 ± 0.133	1.128 ± 0.253	1.127 ± 0.278
ICAM-1	0.0216	11.48	0.742 ± 0.033	0.572 ± 0.031	0.848 ± 0.027	0.839 ± 0.081	0.3517	4.423	0.620 ± 0.152	0.710 ± 0.094	0.773 ± 0.127	0.878 ± 0.124
IL-1α	0.6348	2.555	0.845 ± 0.212	0.871 ± 0.237	0.704 ± 0.073	1.086 ± 0.210	0.9582	0.6425	1.132 ± 0.361	0.908 ± 0.165	1.186 ± 0.314	1.101 ± 0.217
IL-1β	0.1265	7.184	0.983 ± 0.097	0.826 ± 0.189	1.274 ± 0.247	0.659 ± 0.107	0.8044	1.625	1.113 ± 0.410	1.282 ± 0.411	1.446 ± 0.390	1.578 ± 0.299
IL-1R1	0.1994	5.996	0.893 ± 0.078	0.934 ± 0.088	0.783 ± 0.055	0.797 ± 0.037	0.703	2.178	0.865 ± 0.283	0.860 ± 0.147	1.071 ± 0.234	0.725 ± 0.126
IL-1R2	0.2717	3.907	1.234 ± 0.000	1.353 ± 0.394	0.797 ± 0.212	0.640 ± 0.034	0.6732	2.342	1.356 ± 0.703	0.911 ± 0.250	1.346 ± 0.360	1.157 ± 0.194
IL-6	0.4687	3.561	1.226 ± 0.118	1.613 ± 0.340	1.635 ± 0.218	1.429 ± 0.321	0.9989	0.096	0.922 ± 0.344	0.751 ± 0.144	0.861 ± 0.259	0.826 ± 0.226
MHC II AA	0.0094	13.41	1.011 ± 0.085	1.547 ± 0.395	2.050 ± 0.439	2.534 ± 0.194	0.1799	6.27	1.305 ± 0.485	1.280 ± 0.390	2.633 ± 0.807	2.490 ± 0.901
Ptges	0.791	1.698	1.048 ± 0.038	1.052 ± 0.064	0.972 ± 0.089	0.996 ± 0.089	0.9608	0.6203	0.991 ± 0.298	0.868 ± 0.171	1.247 ± 0.307	1.077 ± 0.287
Ptges2	0.222	5.708	0.970 ± 0.051	0.906 ± 0.021	0.944 ± 0.037	0.885 ± 0.039	0.8264	1.501	1.172 ± 0.459	1.009 ± 0.216	1.337 ± 0.350	1.237 ± 0.343
Ptges3	0.3166	4.726	0.954 ± 0.074	1.057 ± 0.091	1.079 ± 0.060	1.305 ± 0.144	0.9299	0.8621	0.985 ± 0.530	0.797 ± 0.276	1.295 ± 0.499	0.866 ± 0.304
SOD2	0.0136	12.56	0.939 ± 0.011	0.856 ± 0.034	0.856 ± 0.041	0.729 ± 0.051	0.9887	0.3175	1.076 ± 0.428	0.940 ± 0.224	1.339 ± 0.378	1.181 ± 0.362
TGF-β1	0.3663	4.305	1.217 ± 0.166	1.367 ± 0.331	1.634 ± 0.147	1.409 ± 0.217	0.9616	0.6129	1.081 ± 0.553	0.848 ± 0.229	1.324 ± 0.441	1.066 ± 0.343
TNF-α	0.5204	3.228	1.041 ± 0.337	1.131 ± 0.164	1.465 ± 0.226	1.327 ± 0.212	0.0718	8.603	1.014 ± 0.283	1.325 ± 0.262	2.199 ± 0.977	2.444 ± 0.539
6 Months						12 Months						
Gene	p-value	KW Stat	5 Gy	15 Gy	25 Gy	35 Gy	p-value	KW Stat	5 Gy	15 Gy	25 Gy	35 Gy
Caspase-1	0.0869	8.132	1.836 ± 0.492	1.311 ± 0.191	2.852 ± 0.773	2.198 ± 0.535	0.3681	4.29	1.592 ± 0.615	1.671 ± 0.423	1.107 ± 0.246	1.635 ± 0.272
CCL2	0.006	14.44	3.495 ± 0.539	1.843 ± 0.102	6.026 ± 2.298	4.271 ± 0.781	0.3928	4.098	2.760 ± 1.082	1.559 ± 0.383	1.257 ± 0.314	1.980 ± 0.280
CCR2	0.029	10.79	1.803 ± 0.548	0.649 ± 0.086	3.077 ± 1.112	2.086 ± 0.609	0.1451	6.831	4.072 ± 2.436	0.0776 ± 0.134	0.805 ± 0.323	1.189 ± 0.496
CD11b	0.2848	5.024	1.530 ± 0.246	1.092 ± 0.044	1.308 ± 0.144	1.293 ± 0.191	0.0687	8.714	1.253 ± 0.106	0.945 ± 0.086	0.769 ± 0.126	1.196 ± 0.177
COX-1	0.039	10.09	1.643 ± 0.234	1.244 ± 0.050	1.744 ± 0.230	1.784 ± 0.239	0.1886	6.144	1.280 ± 0.181	1.034 ± 0.137	0.926 ± 0.138	1.561 ± 0.427
COX-2	0.1762	6.324	1.545 ± 0.175	1.588 ± 0.115	1.840 ± 0.322	1.430 ± 0.119	0.4812	3.478	1.189 ± 0.175	1.136 ± 0.180	0.812 ± 0.125	0.939 ± 0.207
GFAP	0.0342	10.4	1.836 ± 0.364	1.373 ± 0.167	3.236 ± 0.797	2.790 ± 0.549	0.1588	6.646	1.707 ± 0.667	1.869 ± 0.429	1.238 ± 0.271	2.030 ± 0.248
GSTP-1	0.0493	9.524	2.310 ± 0.710	1.117 ± 0.141	3.131 ± 1.031	2.432 ± 0.702	0.387	4.143	1.798 ± 0.760	1.560 ± 0.362	0.980 ± 0.351	1.368 ± 0.121
HO-1	0.0292	10.77	1.902 ± 0.320	1.406 ± 0.068	2.511 ± 0.560	2.640 ± 0.543	0.2828	5.044	1.525 ± 0.383	1.277 ± 0.213	0.845 ± 0.176	1.514 ± 0.155
ICAM-1	0.0493	9.52	4.497 ± 1.128	2.783 ± 0.525	2.469 ± 0.440	2.151 ± 0.332	0.0184	11.87	2.633 ± 0.538	1.446 ± 0.245	1.104 ± 0.171	1.846 ± 0.282
IL-1α	0.2552	5.329	1.458 ± 0.406	1.203 ± 0.189	2.001 ± 0.671	1.910 ± 0.318	0.6296	2.585	1.371 ± 0.360	1.455 ± 0.255	0.967 ± 0.219	1.171 ± 0.174
IL-1β	0.0789	8.372	2.450 ± 0.621	2.157 ± 0.390	5.114 ± 1.562	2.930 ± 0.567	0.0864	8.145	2.510 ± 0.712	2.761 ± 0.648	1.583 ± 0.466	3.314 ± 0.775
IL-1R1	0.0544	9.281	1.674 ± 0.261	1.187 ± 0.022	1.675 ± 0.229	1.750 ± 0.340	0.0933	7.953	1.405 ± 0.319	1.237 ± 0.196	0.769 ± 0.113	1.392 ± 0.140
IL-1R2	0.073	8.564	2.110 ± 0.751	1.051 ± 0.086	2.980 ± 0.915	2.375 ± 0.709	0.0551	9.253	2.532 ± 0.497	2.255 ± 0.721	1.586 ± 0.322	2.286 ± 0.453
IL-6	0.0761	8.46	2.916 ± 0.604	1.638 ± 0.267	3.246 ± 1.027	3.176 ± 0.859	0.5277	3.183	1.171 ± 0.291	1.262 ± 0.350	0.704 ± 0.273	1.229 ± 0.392
MHC II AA	0.0356	10.3	2.430 ± 0.775	1.696 ± 0.369	4.691 ± 1.527	3.969 ± 1.030	0.1589	6.594	1.701 ± 0.623	1.868 ± 0.433	1.290 ± 0.386	2.436 ± 0.515
Ptges	0.0273	10.94	2.020 ± 0.403	1.421 ± 0.057	2.271 ± 0.492	2.254 ± 0.390	0.2611	5.265	1.746 ± 0.519	1.402 ± 0.262	0.945 ± 0.244	1.515 ± 0.131
Ptges2	0.0279	10.88	2.095 ± 0.399	1.479 ± 0.064	2.921 ± 0.799	2.237 ± 0.526	0.4047	4.01	1.627 ± 0.587	1.613 ± 0.364	1.003 ± 0.294	1.325 ± 0.168
Ptges3	0.0157	12.23	3.298 ± 1.295	1.250 ± 0.083	3.641 ± 1.194	3.226 ± 0.951	0.4525	3.67	1.627 ± 0.599	1.088 ± 0.232	0.652 ± 0.249	1.286 ± 0.116
SOD2	0.0688	8.78	1.912 ± 0.497	1.102 ± 0.070	2.612 ± 0.791	2.171 ± 0.509	0.4439	3.729	1.510 ± 0.499	1.479 ± 0.287	0.894 ± 0.261	1.390 ± 0.096
TGF-β1	0.0288	10.81	2.324 ± 0.656	1.226 ± 0.163	3.162 ± 0.971	2.393 ± 0.592	0.4333	3.803	1.718 ± 0.697	1.527 ± 0.326	0.886 ± 0.303	1.429 ± 0.176
TNF-α	0.0048	14.96	4.472 ± 1.299	3.790 ± 0.429	6.061 ± 1.070	8.125 ± 1.222	0.0596	9.061	1.973 ± 0.665	2.355 ± 0.570	1.443 ± 0.134	2.897 ± 0.468